

BIBLIOGRAPHY.

RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Meteorologist in Charge of Library.

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies:

Bradford, F. C.

Relation of temperature to blossoming in the apple and the peach. Columbia. 1922. 51 p. illus. plates. 23 cm. (Univ. Mo. College agric. Agric. exp. sta. Research bulletin 53.)

Casella, C. F., & co., ltd.

Instruments for recording the quantity of smoke and dust pollution in the atmosphere. London. n. d. 13 p. illus. 25 cm.

Dorno, C.

Über geeignete Klimadarstellungen. Leipzig. p. 401-413: 437-447. illus. 25 cm. (Extr.: Zeits. für physikalische u. diätetische Therapie. Bd. 26, H. 11-12. 1922.)

Everdingen, E. van., & Hartman, Ch. M. A.

Het klimaat van West-Indië. Leiden. 1914. p. 404-411. 27 cm. (Encyclopaedie van Nederlandsch West-Indië.)

Fontseré, Eduard.

Sondatges de l'atmòsfera lliure a Barcelona, amb globus pilots, durant els anys 1916, 1917, 1918. Barcelona. 1922. 32 p. illus. 22 cm. (Servei meteorològic de Catalunya. Notes d'estudi. N.º 14.)

Gehrke, Johan.

On the after-effect of ice-winters upon the deep-sea temperatures of the Kattegat. Copenague. 1922. 58 p. figs. plate. 25½ cm. (Conseil permanent international pour l'exploration de la mer. Publications de circonstance. No. 75.)

Georgii, Walter.

Der Segelflug und seine Kraftquellen im Luftmeer. Berlin. [1922.] 88 p. illus. 17½ cm. (Klasings flugtechnische Bücher. Bd. 16.)

Harrington, D., & McElroy, G. E.

Determination of the relative comfort of mine working places by means of the katathermometer. [Washington.] 1922. 7 p. 27 cm. (U. S. Bureau of mines. Reports of investigations. Serial no. 2355.) [Manifolded.]

Knoch, K.

Luftverhältnisse in Hüttenanlagen und billige Beschaffungsmöglichkeit trockener Luft. p. 1747-1750. 27½ cm. (Extr. Stahl und Eisen. 23. Nov., 1922.)

McAdie, Alexander.

Wind and weather. New York. 1922. 82 p. diagrs. plates. maps. 18½ cm.

Missouri. Agricultural experiment station.

Observations on winter injury. Columbia. 1922. 26 p. plates. 23 cm. I. Early and late winter injury. By F. C. Bradford. II. Aftermath of winter injury. By H. A. Cardinell.

Nippoldt, A.

Erdmagnetismus, Erdstrom und Polarlicht. 3rd ed. Berlin. 1921. 135 p. illus. 16 cm. (Sammlung Göschen.)

Okada, T.

On the possibility of forecasting the summer temperature and the approximate yield of rice-crop for northern Japan. pt. 1. illus. plates. 31½ cm. (Repr.: Bull. Cent. met. obs. v. 3, no. 1, 1919.)

Richter, C. M.

Climate of Lake Tahoe and the salubrity of its atmosphere. Sacramento. 1922. 7 p. 23 cm. (Cal. state board of health. Quart. bull. v. 1. no. 2. Apr.-June, 1922.)

Sandström J. W.

Deux théorèmes fondamentaux de la dynamique de la mer. Göteborg. 1921. 6 p. illus. 45½ cm. (Svenska hydrogr.-biol. komm. skrifter. VI.)

Havets dynamik. [Stockholm. 1922.] p. 132-171. illus. 21½ cm. [Meteorological relations. p. 169-171.]

Meteorologiska forskningresor i de Svenska fjälltrakterna. [Stockholm. 1913.] p. 5-31. illus. 23½ cm. (Extr.: Ymer, tidskrift Svenska sällskapet för anthropologi och geografi. Arg. 1913. H. 1.)

Snö och is i Sverige. n. p. n. d. p. 103-109. 28 cm.

Sandström, J. W., & Helland-Hansen, B.

On the mathematical investigation of ocean currents. n. p. n. d. p. 135-163. figs. 37½ cm.

Sieberg, August.

Die Verbreitung der Erdbeben auf Grund neuerer makro- und mikroseismischer Beobachtungen und ihre Bedeutung für Fragen der Tektonik. Jena. 1922. 96 p. plate (fold.) 25½ cm. (Veröffentlichungen der Hauptstation für Erdbebenforschung in Jena. H. 1.)

Szymkiewicz, Dezydery.

Sur l'importance du déficit hygrométrique pour la phytogéographie écologique. n. p. 1923. 11 p. illus. 24 cm. (Acta societatis botanicorum Poloniae. v. 1. Nr. 1. 1923.)

RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.

C. F. TALMAN, Meteorologist in Charge of Library.

The following titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

American society of heating and ventilating engineers. Journal. New York. v. 29. January, 1923.

Kratz, A. P. Humidity requirements for residences. Questions answered relative to the degree of humidity necessary and methods of supplying it. p. 14-18.

Annalen der Physik. Leipzig. Bd. 69. 2 Nov. 1922.

Stoll, Eugen. Die Dispersion der Luft und ihrer Hauptbestandteile im Spektralintervall: 4388-8224 Å.-E. p. 81-111.

Archives des sciences physiques et naturelles. Genève. v. 4. Sep.-Oct. 1922.

Gautier, Raoul. Nouvelles mesures des chutes de pluie et neige au Grand Saint-Bernard. p. 343-353.

Astronomie. Paris. 37 année. Janvier 1923.

Institut de physique du globe. Radiotélégrammes et télégrammes sismologiques de l'Institut de physique du globe. p. 26-28.

Schereschkewsky, Ph., & Wehrle, Ph. "La semaine des nuages." Projet de photographie synoptique des nuages. p. 12-16.

Astrophysical journal. Chicago, Ill. v. 56. December, 1922.

St. John, Charles E., & Nicholson, Seth B. The absence of oxygen and water-vapor lines from the spectrum of Venus. p. 380-399.

British astronomical association. Journal. London. v. 33. 1922.

Goodacre, Walter. The green ray. p. 57-58. (Nov.) [Long duration in high latitudes.]

Sellers, Frank. Distorted star discs. p. 109. (Dec.)

Stevens, Catharine O. Stellar scintillation. p. 107-109. (Dec.)

Deutsche Seewarte. Aus dem Archiv. Hamburg. 40 Jahrg., H. 1. 1922.

Kloster, Wilhelm. Bewölkungs-, Niederschlags- und Gewitterverhältnisse der westindischen Gewässer und der angrenzenden Landmassen.

Fédération aéronautique internationale. Bulletin. Paris. 3. année. Déc. 1922.

Heemstede, Van der Berch van. L'emploi régulier des avions pour les observations météorologiques tel qu'il se fait aux Pays-Bas. p. 91-92.

France. Académie des sciences. Comptes rendus. Paris. t. 175. 1922.

Reboul, G. Détermination, par temps couvert, des mouvements verticaux de l'atmosphère: influence de la nebulosité sur la vitesse de déplacement des dépressions. p. 1165-1168. (4 déc.)

Rateau, A. Pressions et poids spécifiques de l'air en atmosphère normale. p. 1179-1181. (11 déc.)

Heating and ventilating magazine. New York. v. 20. January, 1923.

Hill, E. Vernon. Aerology for amateurs and others. The evolution of modern ventilation and its effect on present and future practice. p. 35-39; 49.

O'Connor, G. J. American storms which figure in the work of the heating engineer. Hurricanes, cyclones, and tornadoes compared with Asiatic typhoons and monsoons. p. 51-53.

- Great Britain. Meteorological office. London. Monthly meteorological charts, East Indian seas. February, 1923.*
- Hennessy, J.** Notes on cyclones of the South Indian ocean, with theory of birth and death, advanced by Sir Napier Shaw, Kt., F. R. S.
- Great Britain. Meteorological office. London. Monthly meteorological charts, North Atlantic ocean. January, 1923.*
- Durst, C. S.** The barometer.
- International institute of agriculture. International review of the science and practice of agriculture. Monthly bulletin of agricultural intelligence and plant diseases. Rome. v. 13. 1922.*
- Azzi, G.** Experimental researches on the critical period of wheat, as regards rainfall in Italy. p. 297-301. (March.) [Abstract.]
- Azzii, G.** The control of the effects of wind by means of plant wind-breaks in tropical America. p. 456. (April.) [Abstract.]
- Valgren, V. N.** Studies on the reduced yield of the chief farm crops, especially as caused by adverse weather conditions in the United States. p. 449-456. (April.) [Abstract.]
- Meteorologische Zeitschrift. Braunschweig. Band 39. Dezember 1922.*
- Beversdorfer, P., & Kercher, F.** Über eine elektrische Entladung in einer Strassenstaubwolke. p. 395-396.
- Boda, K., & Roth, H.** Der Trübunggrad der Atmosphäre über Frankfurt a. M. und über dem Taunus-Observatorium. p. 369-374.
- E., F. M.** Die Meteorologen-Tagung auf dem Hohen Sonnblick. p. 380-387.
- Kölzer, Joseph.** Die Meteorologie auf der "Hundertjahrfeier Deutscher Naturforscher und Ärzte." p. 377-380.
- Köppen, W.** Der jährliche Temperaturgang in den gemässigten Zonen. p. 387-389.
- Linke.** Normal werte der Sonnenstrahlung am Taunus-Observatorium. p. 392-395.
- Meyer, Rud.** Über die Beziehung zwischen Luftdruckdifferenz und Windgeschwindigkeit. p. 389-392.
- Tichomiroff, E.** Isallobarkarten und langfristige Wettervorhersagen. p. 374-377.
- Wagner, A. A. F. Moore und L. H. Abbot,** Die Helligkeit des Himmels. p. 396-397.
- Wagner, A. H. H. Kimball und I. F. Hand,** Messungen der Himmelshelligkeit und der Beleuchtungsstärke. p. 397-398.
- Nature. London. v. 111. 1923.*
- C. L. Wragge.** p. 23-24. (Jan. 6.) [Obituary.]
- Evershed, J.** The green flash at sunset. p. 13. (Jan. 6.)
- The Oldebroek explosion of October 28, 1922. p. 32-33. (Jan. 6.)
- B., L. C. W.** Hail and sleet in meteorological terminology. p. 100. (Jan. 20.)
- Brunt, D.** Waterspouts. p. 82. (Jan. 20.)
- Deeley, R. M.** The cause of anticyclones. p. 83. (Jan. 20.)
- Mill, Hugh Robert.** Progressive meteorology. [Review of several recent works.] p. 107-109. (Jan. 27.)
- Nature. Paris. 51 année. 20 janvier 1923.*
- Forbin, V.** Le tremblement de terre de Chine. Une catastrophe dont on n'a point parlé. p. 45-48. [Kansu earthquake of Sept. 16, 1920.]
- Popular science monthly. New York. v. 102. February, 1923.*
- Hogg, John Edwin.** Where the bottom fell out of the sky. Eye-witness describes colossal cloudburst in a western canyon. p. 44-45. [Alleged fall of 240 inches (!) in half an hour on the edge of the Mojave Desert, California.]
- Royal astronomical society. Monthly notices. London. v. 83. November, 1922.*
- Davidson, C., & Greaves, W. M. H.** The influence of atmospheric dispersion or photographic determinations of stellar parallax. p. 56-60.
- Royal astronomical society of Canada. Journal. Toronto. v. 16. September-October, 1922.*
- Fisher, Willard J.** Old observations bearing on the duration of sunrise and sunset. p. 261-262.
- Griffin, J. G.** Audibility of the aurora. p. 255-260.
- Science. New York. v. 57. January 5, 1923.*
- Nichols, G. E.** The Musch rain-correcting mounting for porous porcelain atmometers. p. 26-28.
- U. S. Air service. Washington, D. C. v. 8. February, 1923. p. 17-19.*
- Hay, G. R.** Supplying pilots of London-continental air routes with weather forecasts. p. 17-19. [Repr. from Quart. jnl., Roy. metl. socy. v. 48, No. 204.]